# West Virginia Department of Environmental Protection

Austin Caperton Cabinet Secretary

# Title V Operating Permit Revision



# For Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

**Permit Action Number:** 

**MM03** 

SIC: 2821

Name of Permittee:

The Chemours Company FC, LLC

**Facility Name/Location:** 

Washington Works

County:

Wood

**Facility Address:** 

PO Box 1217

Washington, WV 26181

**Description of Permit Revision:** 

This modification incorporates a change to allow Chemours to purchase, store, or use Ammonium Perfluorooctanoate (APFO) for compliance or analytical investigative purposes at the Washington Works Facility.

**Title V Permit Information:** 

Permit Number:

R30-10700182-2016

**Issued Date: Effective Date:** 

May 2, 2016

**Expiration Date:** 

May 16, 2016 May 2, 2021

**Directions To Facility:** 

Route 68 west from Parkersburg to intersection of Route 892. Continue west on Route 892 with the plant being on the north side about one mile

from the intersection of Routes 68 and 892.

THIS PERMIT REVISION IS ISSUED IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL ACT (W.VA. CODE §§ 22-5-1 ET SEQ.) AND 45CSR30 - "REQUIREMENTS FOR OPERATING PERMITS." THE PERMITTEE IDENTIFIED AT THE FACILITY ABOVE IS AUTHORIZED TO OPERATE THE STATIONARY SOURCES OF AIR POLLUTANTS IDENTIFIED HEREIN IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THIS PERMIT.

Laura M. Crowder

December 3, 2019

Director, Division of Air Quality

Date Issued

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#### 1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

| Area                   | Permit or<br>Consent Order<br>Number     | Date of<br>Issuance                 | Permit Determinations or<br>Amendments That Affect<br>the Permit (if any) |
|------------------------|--|-------------------------------------|---|
| All                    | R13-3223                                 | December 8, 2014                    | NA  |
| C1                     | R13-2365J                                | June 30, 2016  March 13, 2019       | NA  |
| C2                     | R13-1953K<br>R13-1953L                   | July 25, 2018<br>March 13, 2019     | NA  |
| C3                     | R13-2391I                                | August 7, 2015                      | NA  |
| T1, T2, T3, T4, and T7 | R13-1823L<br>R13-1823M                   | September 4, 2015<br>March 13, 2019 | NA  |
| T5                     | R13-1353H<br>R13-1353I                   | September 4, 2015<br>March 13, 2019 | NA  |
| Т6                     | <del>R13-0815J</del><br><u>R13-0815K</u> | September 4, 2015  March 13, 2019   | PD16-005  |

- 3.1.18. **45CSR27.** The permitted sources identified in Appendix E and recognized as being subject to 45CSR27 shall comply with all applicable requirements of 45CSR27 "To Prevent and Control the Emissions of Toxic Air Pollutants" provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Appendix E are also demonstrated. The applicable requirements set forth by 45CSR27 shall include, but not be limited to, the following: **[45CSR13, R13-3223, 4.1.3; 45CSR13, R13-1823, 4.1.25]** 
  - 3.1.18.1. The permittee shall employ the best available technology (BAT) for the purpose of reducing toxic air pollutants (TAP) associated with the applicable sources and emission points identified in Appendix E. [45CSR13, R13-3223, 4.1.3.1; 45CSR§27-3.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]
  - 3.1.18.2. The permittee shall employ BAT for the purpose of preventing and controlling fugitive emissions of TAP to the atmosphere as a result of routing leakage from those sources and their associated equipment identified in Appendix E as operating in TAP service. [45CSR13, R13-3223, 4.1.3.2; 45CSR\$27-4.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]
  - Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.
- 3.1.19. **45CSR27.** In the event a source and associated emission point identified in Appendix E are subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable MACT requirements identified in the affected 45CSR13 permit shall demonstrate compliance with the BAT requirements set forth in 3.1.18.

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

[45CSR13, R13-3223, 4.1.4; 45CSR§27-3.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]

- 3.1.20. Reserved.
- 3.1.21. Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Appendix E and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. [45CSR13, R13-3223, 4.1.5; 45CSR13, R13-1953, 4.1.23; 45CSR13, R13-1823, 4.1.26]
- 3.1.22. The Permittee shall not purchase, manufacture, store, or use Ammonium Perfluorooctanoate (APFO) for commercial or non-analytical purposes within the Chemours' Washington Works Facility. The facility may purchase, store, or use APFO for compliance or analytical investigative purposes at the Washington Works facility.

[45CSR13, R13-2365, A.4; 45CSR13, R13-1953, Condition 4.1.5; 45CSR13, R13-1823, Condition 4.1.3; 45CSR13, R13-1353, Condition A.7; 45CSR13, R13-0815, Condition A.6.]

#### 3.2. Monitoring Requirements

- 3.2.1. Reserved.
- 3.2.2. **45CSR21.** The permittee shall implement and maintain leak detection and repair (LDAR) programs for the reduction of fugitive VOC emissions in all manufacturing process units subject to 45CSR§21-40 producing

Appendix A: R13-2365IJ Attachments (C1 Area)

# Attachment B Monthly Emissions

Chemours Washington Works Teflon PFA Area (C1) Permit R13-2365IJ

| <b>Emission Pt</b> |                         |           | Monthly Emissions (lb) |           |          |           |              |           |          |           |   |  |  |  |  |
|--------------------|-------------------------|-----------|------------------------|-----------|----------|-----------|--------------|-----------|----------|-----------|---|--|--|--|--|
| ID                 | <b>Equipment ID</b>     | VO        | )C                     | OI        | OC       | PN        | <b>1</b> 110 | Aceto     | nitrile  | н         | F   |  |  |  |  |
| ID                 |                         | max lb/hr | lb/month               | max lb/hr | lb/month | max lb/hr | lb/month     | max lb/hr | lb/month | max lb/hr | lb/month  |  |  |  |  |
| C1FCE              | C1FC                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FEE              | C1FA, FB,<br>FD, FE, GN |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FFE              | C1FF                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FGE              | C1FG                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FQE              | C1FQ, GH                |           |                        |           |          |           |              |           |          |           | A 100 A |  |  |  |  |
| C1FSE              | C1FS, C1FK              |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FUE              | C1FU                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FVE1             | C1FV                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FVE2             | C1FV                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1FWE              | C1FW                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GAE              | C1GA                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GBE              | C1GB                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GCE              | C1GC                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GDE              | C1GD                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GJE              | C1GJ                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GPE              | C1GP, GS, GT            |           |                        |           |          |           |              |           | -        |           |   |  |  |  |  |
| C1GQE              | C1GQ                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GRE              | C1GR                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GVE              | C1GV                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1GXE              | C1GX                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| C1NPE              | CINP                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| Area               | C1FW                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
| Area               | C1GK                    |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |
|                    |                         |           |                        |           |          |           |              |           |          |           |   |  |  |  |  |

# Attachment C Annual Emissions

Chemours Washington Works Teflon PFA Area (C1) Permit R13-2365IJ

| <b>Emission Pt</b>         |                     |  |        |  | VO | C Emissio | ns (lb) |  |  |                   |
|----------------------------|---------------------|--|--------|--|----|-----------|---------|--|--|-------------------|
| ID                         | Equipment ID        |  |        |  |    |           |         |  |  | 12 Month<br>Total |
| C1FCE,<br>GAE, GBE,<br>GCE | C1FC, GA,<br>GB, GC |  |        |  |    |           |         |  |  | 1000              |
| C1FFE, FGE                 | C1FF, FG            |  |        |  |    |           |         |  |  |                   |
| C1FQE                      | C1FQ, GH            |  |        |  |    |           |         |  |  |                   |
| C1FSE                      | C1FS                |  |        |  |    |           |         |  |  |                   |
| C1FVE1                     | C1FV                |  |        |  |    |           |         |  |  |                   |
| C1FVE2                     | C1FV                |  |        |  |    |           |         |  |  |                   |
| C1FWE                      | C1FW                |  |        |  |    |           |         |  |  |                   |
| C1GDE                      | C1GD                |  |        |  |    |           |         |  |  |                   |
| CIGXE                      | C1GX                |  |        |  |    |           |         |  |  |                   |
| C1NPE                      | C1NP                |  |        |  |    |           |         |  |  |                   |
| Area                       | C1FW                |  |        |  |    |           |         |  |  |                   |
| Area                       | CIGK                |  |        |  |    |           |         |  |  |                   |
|                            |                     |  | luna - |  |    |           |         |  |  |                   |

| <b>Emission Pt</b> |              | , |  | ODC Emissions (lb) |  |  |  |  |  |  |  |                   |
|--------------------|--------------|---|--|--------------------|--|--|--|--|--|--|--|-------------------|
| ID                 | Equipment ID |   |  |                    |  |  |  |  |  |  |  | 12 Month<br>Total |
| C1FQE              | C1FQ, GH     |   |  |                    |  |  |  |  |  |  |  | Total             |
| C1GDE              | C1GD         |   |  |                    |  |  |  |  |  |  |  |                   |
| Area               | C1GK         |   |  |                    |  |  |  |  |  |  |  |                   |
|                    |              |   |  |                    |  |  |  |  |  |  |  |                   |

# Attachment C Annual Emissions

Chemours Washington Works Teflon PFA Area (C1) Permit R13-2365IJ

| <b>Emission Pt</b>         |                     | PM <sub>10</sub> Emissions (lb) |  |  |  |  |  |  |  |  |  |  |  |                   |
|----------------------------|---------------------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|-------------------|
| ID                         | Equipment ID        |                                 |  |  |  |  |  |  |  |  |  |  |  | 12 Month<br>Total |
| C1FCE,<br>GAE, GBE,<br>GCE | C1FC, GA,<br>GB, GC |                                 |  |  |  |  |  |  |  |  |  |  |  | Total             |
| C1FEE                      | C1FE                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1FFE, FGE                 | C1FF, FG            |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1FSE                      | C1FS, C1FK          |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1FUE                      | C1FU                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1FVE1                     | C1FV                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1GJE                      | C1GJ                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1GPE                      | C1GS, GT            |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1GQE                      | C1GQ                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
| C1GVE                      | C1GV                |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |
|                            |                     |                                 |  |  |  |  |  |  |  |  |  |  |  |                   |

#### Attachment C Annual Emissions

Chemours Washington Works Teflon PFA Area (C1) Permit R13-2365IJ

| Emission Pt       | Equipment ID        | HF Emissions (lb) |  |                   |  |  |  |  |  |  |  |
|-------------------|---------------------|-------------------|--|-------------------|--|--|--|--|--|--|--|
| Emission Pt<br>ID |                     |                   |  | 12 Month<br>Total |  |  |  |  |  |  |  |
| C1FEE             | C1FA, FB,<br>FD, FE |                   |  | 1000              |  |  |  |  |  |  |  |
| C1FVE2            | C1FV                |                   |  |                   |  |  |  |  |  |  |  |
| C1GRE             | C1GR                |                   |  |                   |  |  |  |  |  |  |  |
|                   |                     |                   |  |                   |  |  |  |  |  |  |  |

| Emission Pt       |      |  |  | Acetoni | trile Emis | sions (lb) | b) |  |  |  |                   |  |  |  |  |
|-------------------|------|--|--|---------|------------|------------|----|--|--|--|-------------------|--|--|--|--|
| Emission Pt<br>ID |      |  |  |         |            |            |    |  |  |  | 12 Month<br>Total |  |  |  |  |
| C1FQE             | C1FQ |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
| C1FWE             | C1FW |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
| C1GDE             | C1GD |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
| C1GXE             | C1GX |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
| Area              | C1FW |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
| Area              | C1GK |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |
|                   |      |  |  |         |            |            |    |  |  |  |                   |  |  |  |  |

Appendix B: R13-1953KL Attachments (C2 Area)

#### Attachment A - Monthly Recordkeeping (Equipment)

Chemours Washington Works – Area (C2) – Permit R13-1953KL

| Current Month:   |  |
|------------------|--|
| Data entered by: |  |
| Date entered:    |  |
| Reviewed by:     |  |
| Date Reviewed:   |  |

| Equipment ID        |       | Monthly Monitoring                                    |
|---------------------|-------|---|
| Equipment ID        | Value | Parameter   |
| C2DP                |       | # of times system deinventoried through System #1     |
| C2DP                |       | # of times system deinventoried through System #2     |
| C2EP                |       | # of times system deinventoried through System #1     |
| CZEF                |       | # of times system deinventoried through System #2     |
| C2DX – tank         |       | # of times system deinventoried through System #1     |
| C2DX – talik        |       | # of times system deinventoried through System #2     |
| C2DX – bottom valve |       | # of times system deinventoried through System #1     |
| C2DX - bottom varve |       | # of times system deinventoried through System #2     |
| C2DX – top valve    |       | # of times system deinventoried through System #1     |
| C2DX - top valve    |       | # of times system deinventoried through System #2     |
| C2DY – tank         |       | # of times system deinventoried through System #1     |
| C2D1 – talik        |       | # of times system deinventoried through System #2     |
| C2DY – bottom valve |       | # of times system deinventoried through System #1     |
| C2D1 = bottom varve |       | # of times system deinventoried through System #2     |
| C2DY – top valve    |       | # of times system deinventoried through System #1     |
| C2D1 = top valve    |       | # of times system deinventoried through System #2     |
| C2DR                |       | # of times system deinventoried through System #1     |
| CZDK                |       | # of times system deinventoried through System #2     |
| C2EE                |       | # of times system deinventoried through System #1     |
|                     |       | # of times system deinventoried through System #2     |
| Facility            |       | # of completed batches                                |
| Facility            |       | # of completed GenX batches                           |
| C2DA                |       | # of completed dispersion batches                     |
| C2DA                |       | # of GenX dispersion batches                          |
| C2DT                |       | Max pph held for one hour during the month            |
| C2DW                |       | max pph held for one hour during the month            |
| C2EH                |       | max pph held for one hour during the month            |
| C2DT, C2DW, C2EH    |       | max pph rate of all TDD for one hour during the month |
| C2DS                |       | pounds of flake to flake packout                      |
| C2EN                |       | max pph for month conveyed from TDD to compactor      |
| C2ER                |       | max RPM held for one hour                             |
| C2ER                |       | total rework weight for month                         |
|                     |       | # of makeup cartridges used                           |
| C2EV                |       | # of ink cartridges used                              |
|                     |       | # of wash bottles used                                |

#### Attachment B - Monthly Emissions Chemours Washington Works - Area (C2) - Permit R13-1953KL

| Emission | Equipment ID                           | V(      | )C       | OI      | OC       | PN      | $I_{10}$ | Н       | IF       | Toluene  | Total HAPs |
|----------|--|---------|----------|---------|----------|---------|----------|---------|----------|----------|------------|
| Point ID |  | max pph | lb/month | lb/month | lb/month   |
| C2DAE    | C2DA, C2DE,<br>C2EC, C2KW,<br>C2KX     |         |          | ·       |          |         |          |         |          |          |            |
| C2DHE    | C2DH                                   |         |          |         |          |         |          |         |          |          |            |
| C2DKE    | C2DK                                   |         |          |         |          |         |          |         |          |          |            |
| C2DSE    | C2DS                                   |         |          |         |          |         |          |         |          |          |            |
| C2DTE    | C2DW, C2EH                             |         |          |         |          |         |          |         |          |          |            |
| C2EFE    | C2EJ, C2EF                             |         |          |         |          |         |          |         |          |          |            |
| C2EGE    | C2EG                                   |         |          |         |          |         |          |         |          |          |            |
| C2EJE    | C2EJ, C2DG                             |         |          |         |          |         |          |         |          |          |            |
| C2ENE    | C2EN                                   |         |          |         |          |         |          |         |          |          |            |
| C2ERE    | C2ER                                   |         |          |         |          |         |          |         |          |          |            |
| C2ETE    | C2ET                                   |         |          |         |          |         |          |         |          |          |            |
| C2EUE    | C2DO, C2EU                             |         |          |         |          |         |          |         |          |          |            |
| C2EVE    | C2EV                                   |         |          |         |          |         |          |         |          |          |            |
| C2KDE    | C2KD                                   |         |          |         |          |         |          |         |          |          |            |
| C2KOE1   | C2KO                                   |         |          |         |          |         |          |         |          |          |            |
| C2KPE    | C2KP                                   |         |          |         |          |         |          |         |          |          |            |
| C2KUE    | C2KU                                   |         |          |         |          |         |          |         |          |          |            |
| C2DHE    | C2DH                                   |         |          |         |          |         |          |         |          |          |            |
| C2KLE    | C2KL                                   |         |          |         |          |         |          |         |          |          |            |
| C2KNE    | C2KN                                   |         |          |         |          |         |          |         |          |          |            |
| C2EBE    | C2EA1, C2EA2,<br>C2EB2, C2EB1,<br>C2KJ |         |          |         |          |         |          |         |          |          |            |

#### Attachment C – Annual Emissions Chemours Washington Works – Area (C2) – Permit R13-1953<u>K</u>L

|          | eni Monin:           | r | <br> | <br> |        |             |    |  | <br>           |
|----------|----------------------|---|------|------|--------|-------------|----|--|----------------|
| Emission | Equipment ID         |   |      |      | VOC Em | issions (lb | o) |  |                |
| Point ID | Equipment ID         |   |      |      |        | `           | ĺ  |  | 12 Month Total |
| C2DAE    | C2DA, C2DE, C2EC,    |   |      |      |        |             |    |  |                |
| CZDAE    | C2KW, C2KX           |   |      |      |        |             |    |  |                |
| C2DHE    | C2DH                 |   |      |      |        |             |    |  |                |
| C2DKE    | C2DK                 |   |      |      |        |             |    |  |                |
| C2EFE    | C2EJ, C2EF           |   |      |      |        |             |    |  |                |
| C2EGE    | C2EG                 |   |      |      |        |             |    |  |                |
| C2EJE    | C2EJ, C2DG           |   |      |      |        |             |    |  |                |
| C2ERE    | C2ER                 |   |      |      |        |             |    |  |                |
| C2ETE    | C2ET                 |   |      |      |        |             |    |  |                |
| C2EVE    | C2EV                 |   |      |      |        |             |    |  |                |
| C2KDE    | C2KD                 |   |      |      |        |             |    |  |                |
| C2DTE    | C2DW, C2EH           |   |      |      |        |             |    |  |                |
| C2DHE    | C2DH                 |   |      |      |        |             |    |  |                |
| C2KLE    | C2KL                 |   |      |      |        |             |    |  |                |
| C2KNE    | C2KN                 |   |      |      |        |             |    |  |                |
| C2EBE    | C2EA1, C2EA2, C2EB2, |   |      |      |        |             |    |  |                |
| CZEDE    | C2EB1, C2KJ          |   |      |      |        |             |    |  |                |
|          | Totals               |   |      |      |        |             |    |  |                |

| Emission | Equipment ID | ODC Emissions (lb) |  |  |  |  |  |  |  |  |  |                     |
|----------|--------------|--------------------|--|--|--|--|--|--|--|--|--|---------------------|
| Point ID | Equipment 1D |                    |  |  |  |  |  |  |  |  |  | 12 Month Total      |
| C2EFE    | C2EJ, C2EF   |                    |  |  |  |  |  |  |  |  |  | 12 1.1011111 101111 |
| C2EJE    | C2EJ, C2DG   |                    |  |  |  |  |  |  |  |  |  |                     |
|          | Totals       |                    |  |  |  |  |  |  |  |  |  |                     |

### Attachment C – Annual Emissions Chemours Washington Works – Area (C2) – Permit R13-1953<u>K</u>L

| Emission | Equipment ID         | PM <sub>10</sub> Emissions (lb) |  |  |  |  |  |  |  |  |  |  |  |                |
|----------|----------------------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------|
| Point ID | Equipment 1D         |                                 |  |  |  |  |  |  |  |  |  |  |  | 12 Month Total |
| C2DKE    | C2DK                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2DSE    | C2DS                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2DTE    | C2DW, C2EH           |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EGE    | C2EG                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2ENE    | C2EN                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2ERE    | C2ER                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EUE    | C2DO, C2EU           |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KPE    | C2KP                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KUE    | C2KU                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2DHE    | C2DH                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KLE    | C2KL                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KNE    | C2KN                 |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EBE    | C2EA1, C2EA2, C2EB2, |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
| CZEDE    | C2EB1, C2KJ          |                                 |  |  |  |  |  |  |  |  |  |  |  |                |
|          | Totals               |                                 |  |  |  |  |  |  |  |  |  |  |  |                |

#### Attachment C – Annual Emissions Chemours Washington Works – Area (C2) – Permit R13-1953KL

| Emission | Equipment ID        | HF Emissions (lb) |  |  |  |  |  |  |  |  |  |  |  |                |
|----------|---------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|----------------|
| Point ID | Equipment 1D        |                   |  |  |  |  |  |  |  |  |  |  |  | 12 Month Total |
| C2DHE    | C2DH                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2ERE    | C2ER                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2ETE    | C2ET                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KDE    | C2KD                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KOE1   | C2KO                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2KUE    | C2KU                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2DHE    | C2DH                |                   |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EBE    | C2EA1, C2EA2, C2EB2 |                   |  |  |  |  |  |  |  |  |  |  |  |                |
|          | Totals              |                   |  |  |  |  |  |  |  |  |  |  |  |                |

| Emission | Equipment ID        | Total HAPs (lb) |  |  |  |  |  |  |  |  |  |  |  |                |
|----------|---------------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|----------------|
| Point ID | Equipment 1D        |                 |  |  |  |  |  |  |  |  |  |  |  | 12 Month Total |
| C2EVE    | C2EV                |                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EFE    | C2EF, C2EJ          |                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EJE    | C2DG, C2EJ          |                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2DHE    | C2DH                |                 |  |  |  |  |  |  |  |  |  |  |  |                |
| C2EBE    | C2EA1, C2EA2, C2EB2 |                 |  |  |  |  |  |  |  |  |  |  |  |                |
| Totals   |                     |                 |  |  |  |  |  |  |  |  |  |  |  |                |

#### Attachment D – Monthly Recordkeeping – Control Devices and Inherent Process Devices Chemours Washington Works – Area (C2) – Permit R13-1953KL

Current Month:
Data entered by:
Date entered:
Reviewed by:
Date reviewed:

| Equipment Name | ID No. | Interlock Tripped?<br>(Yes or No) |
|----------------|--------|-----------------------------------|
| Scrubber       | C2DWC2 |                                   |
| Scrubber       | C2EHC2 |                                   |
| Scrubber       | C2DTC3 |                                   |

Appendix D: R13-1823LM Attachments (T1, T2, T3, T4, & T7 Areas)